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REEL 53

BIELIC, Branko

Soft folio and Yugoslav market. Kem ind 12 no.6:460-462 Je '63.

L 34232-66

ACC NR: AP6025211

SOURCE CODE: CZ/0008/66/000/002/0257/0259

AUTHOR: Kalab, Vladimir; Bielik, Milan

34
B

ORG: W. Pieck's Chemical Enterprises, National Enterprise, Zilina (Chemicke zavody W. Piecka, n.p.)

TITLE: Automatic regulation of steam bath temperature

SOURCE: Chemicke listy, no. 2, 1966, 257-259

TOPIC TAGS: automatic regulation, chemical laboratory apparatus

ABSTRACT: The principle of the apparatus designed by the authors is the maintaining of the temperature by means of an electric heater regulated by a thermostat. The advantage of the apparatus is that it allows a very exact maintaining of the selected temperatures, usually within $\pm 0.2^{\circ}\text{C}$. Detailed description of the glassware used in the arrangement is given. Orig. art. has: 1 figure. [JPRS: 35,397]

SUB CODE: G7, 13 / SUBM DATE: 10Mar65 / ORIG REF: 003

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Card 1/1

BIELIC, Branko

Production of plastics in the world. Kem ind 13 no.12:Suppl:
Strucno-komercijalna publikacija Chromos-Katran-Kutrilin 5/6:
1074-1078 '64.

SLOMSKA, Janina; PODWINSKA, Jadwiga; JANKOWSKI, Wiktor; BIELICKA, Elzbieta

Effect of tonsillectomy on bacterial flora of the throat & antistreptolysin level of blood. Arch. immun. ter. dosw. 5:299-313 1957.

(TONSILLECTOMY, eff.

on Streptoc. pyogenes incidence in throat & antistreptolysin level of blood)

(STREPTOCOCCAL INFECTIONS

eff. of tonsillectomy on Streptoc. pyogenes incidence in throat (Pol))

(ANTISTREPTOLYSIN, in blood

O, eff. of tonsillectomy (Pol))

JANKOWSKI, Wiktor.; BIRLICKA, Elsbiet.; SLOMSKA, Janina.; PODWINSKA, Jadwiga.

Significance of antistreptolysin level in blood as test determining the clinical condition of the adenoids. Polski tygo. lek. 12 no.17: 647-649 22 Apr 1957.

1. z Kliniki Oto-laryngologicznej A. M. we Wroclawiu, kierownik: prof. dr W. Jankowski i z Instytutu Immunologii i Terapii Doswiadczalnej PAN we Wroclawiu, dyrektor: prof. dr. S. Slopek. Wroclaw, Klinika Oto-laryngologiczna A. M.

(STREPTOLYSIN, antag.

antistreptolysin in blood, determ. in indic. for adenoidectomy (Pol))

(ADENOIDS, surg.

indic., determ. of blood antistreptolysin (Pol))

1257. DECREASING OF BLOOD PRESSURE WITH THE PRODUCT OF POLISH
PREPARATION P₃ IN LARYNGOLOGICAL PROCEDURES - Obniżanie
ciśnienia krwi za pomocą krajowego przetworu P₃ w zabiegach laryngologic-
knych - Bielicka E. and Dolata W. Klin. Laryngol. A.M., Wroc-
ław - POL. TYG. LEK. 1958, 13/31 (1204-1206) Graphs 1

At the Laryngological Clinic 13 cases were operated under controlled hypotension;
among them were: a radical removal of tumour of the nasopharynx, of the pharynx,
and a removal of larynx. The procedures were performed under a general tracheal
anaesthesia. In 2 cases pendiomid was applied and in 11 cases P₃. In all the
cases a required hypotension was obtained. P₃ has a clinical effect similar to that
of pendiomid but stronger. The doses used were from 11 mg. to 23 mg. Bleeding
from the operation field was decreased, the time of operation shortened. In all
the cases the post-operative course was satisfactory.

~~BIELICKA~~ I. Z I Kliniki Chorob Dziec. U. W. O ropnym zapaleniu opon
mozgowordzeniowych noworodkow-wczesniakow Suppurative meningitis in the
newborn premature Pediat. polsk., 1949, 23/5-6 (599-611) Graphs 2
Tables 1

Three cases of meningococcal meningitis are described. The first 2
premature neonates (weighing 1.76 and 1.60 kg. respectively at birth)
recovered; the third (weighing 0.9 kg.) died. They were treated with pen-
icillin and sulphonamides.

Bogdanowicz - Warsaw (XX, 7,8)

So: Neurology & Psychiatry Section VIII, Vol. 4, No. 1-6

BIELICKA, I.; GRONIEWSKI, J.

Case of fetal erythroblastosis, due to incompatibility of blood groups A and B, and having complete agreement of Rh factor. *Pediatr. polska* 23 no.7-8:717-723 N-D '49. (CIML 19:2)

1. Of the First Clinic for Children Diseases, University of Warsaw (Director -- Prof. M. Michalowicz). 2. Of the Institute of Pathological Anatomy (Director -- Prof. L. Paszkiewicz, M.D.).

BIRLICKA, I.; STANCZYKOWA, R.

Fibrosis of the pancreas and bronchiectasis in premature infants.
Pediat.polska 24 no.1-2:82-89 Ja-F '50. (CLML 19:3)

**1. Of the First Clinic of Children's Diseases at Warsaw University
(Director -- Prof. M.Michalowicz, M.D.) and of the Institute of
Pathological Anatomy of Warsaw University (Director -- Prof. L.Paszkiewicz, M.D.).**

BIMICKA, I.

**Catheter feeding of prematures. Pediat.polaka 24 no.11:951-962
Nov 50. (CINL 20:5)**

**1. Of the First Clinic for Children's Diseases (Head--Prof.M.Ni-
chalowicz,M.D.) of Warsaw Medical Academy.**

BIMLICKA, I.

Certain aspects of care of newborn in the light of new achievements
in the field of pathophysiology. Polski tygod.lek. 5 no.51-52:1751-
1755 27 Dec 50. (CJML 20:6)

BIELICKA I.

Przegląd do kasuistyki zakażenia pałeczką ropy błękitnej u niemowląt. (Doniesienie tymczasowe). Przegląd piśmiennictwa. Opisanie 2 przypadków własnych; Leczenie zakażenia pałeczką ropy błękitnej błękitem metylenowym. /On cases of Bacillus pyocyaneus infection in infants; preliminary communication. Review of the literature. Observation on 2 own cases. Treatment of Bacillus pyocyaneus infection with methylene blue/ Polski tygod. Lek. 6:1-2 8 Jan 51 p. 18-22.

1. Of the First Clinic of Children Diseases (Head--Prof. M. Michalowicz, M.D.) of Warsaw Medical Academy.
CML Vol. 20, No. 10 Oct 1951

BIELICKA.

Problems of physiologic jaundice in newborn. *Pediat. polska*
26 no. 9:1040-1041 Sept. 1951. (CJML 21:3)

BIELICKA, I.

Significance of certain aspects of the theory on nervousism in pathophysiology, clinical course, and therapy of so-called infant toxicoses. *Pediat. polska* 27 no.8:885-898 Aug 1952. (GLML 23:2)

1. Of the Infant Department (Head--Docent I. Bielicka, M.D.) of the Second Pediatric Clinic (Head--Prof. M. Michalowicz, M.D.) of Warsaw Medical Academy.

~~BIELICKA, I.~~

Significance of certain aspects of the theory of nervosism in patho-
physiology and therapy of so-called infant toxicoses. *Pediat. polska*
28 no.4:383-394 Apr 1953. (CLML 25:1)

1. Of the Second Pediatric Clinic (Head--Prof. M. Michalowicz, M.D.) of
Warsaw Medical Academy.

BIELICKA, I.

Significance of certain aspects of nervosism in pathogenic, clinical, and therapeutic aspects of so-called infant toxicoses. III. Therapeutic procedure, statistical analysis of data, and conclusions. *Pediat. polska* 28 no.7:685-698 July 1953. (CML 25:4)

BIELICKA, J.

Certain problems of pathogenesis, clinical aspects, and therapy of toxic states in diarrhea in infants according to the theory of nervousism. Polski tygod. lek. 8 no.31:1077-1082 3 Aug 1953. (CLML 25:4)

1. Of the Second Pediatric Clinic (Head--Prof. M. Michalowicz, M.D.) of Warsaw Medical Academy and of the Institute of Mother and Child (Head--Prof. F. Groer, M.D.), Warsaw.

BIRLICKA, I., prof. dr.

**Problems of pediatric service in rural areas. Zdrobie pub., Warsz.
no.5:381-383 Sept-Oct 54.**

(PEDIATRICS,

in Poland, rural areas, needs)

(CHILD WELFARE,

in Poland, med. care in rural areas, needs)

(PUBLIC HEALTH,

in Poland, inf. & child med. care in rural areas, needs)

BIELICKA, Izabela; LACKI, Mikolaj; SZTACHELSKA, Irena

Certain problems of organisation of open care for infant according to the analysis of samples of morbidity and mortality of infants in diarrhea. Acta biochim. polon. 2 no.4:449-458 1955.

1. Z Działu Metodyczno-Organizacyjnego i Kliniki Niewmowlecej Instytutu Matki i Dziecka w Warszawie. Dyrektor Instytutu: prof. dr. med. Fr. Groer.

(DIARRHEA, in infant and child,
mortal. & morbidity in Poland (Pol))

BIELICKA, Izabella

Outline of treatment of diarrhea in infancy. Wiadomosci lek. 8
no.5:208-215 May '55.

1. Z Kliniki Wicowlecej Instytutu Matki i Dziecka w Warszawie.
Dyr. Instytutu: prof.dr Med. Fr.Groer. Kierownik: Kliniki: doc.
dr. med. I. Bielicka.
(DIARRHEA, in infant and child
ther.)

BIELICKA, Izabela, Warszawa, Al. Niepodleglosck 245 n. 18.

Activity of Scientific Institute in the U.S.S.R. Pediat.polska
30 no.2:109-118 Feb '55.

(PEDIATRICS, education
in Russia)

BIELICKA, I^{*}

**Treatment of infantile diarrhea. Pediat. polska 30 no.3:283-290
Mr '55.**

**1. Z Kliniki Wierowlicej Instytutu Matki i Dziecka w Warszawie
Dyrektor Instytutu: prof. dr med. Fr. Groer; Kierownik Kliniki:
doc.dr med. J. Bielicka, Warszawa, Al. Niepodleglosci 245 m. 18.
(DIARRHEA, in infant and child
ther.)**

BISLICKA, Isabela; OPPENHEIM-FISCHLER, Elsa

Application of protective inhibition in the treatment of associated forms of sclerema neonatorum. *Pediat. polska* 30 no.5:423-441 May '55.

1. Z Kliniki Niesowlecej Instytut Matki i Dziecka w Warszawie.
Dyrektor Instytutu; prof. dr med. Fr. Groer. Kierownik kliniki:
doc. dr med. I. Bislicka. Warszawa, Al. Niepodleglosci 245 m.
18.

(SLCEREMA NEONATORUM, therapy,
sleep ther.)

(SLEEP, therapeutic use,
sclerema neonatorum)

BIELICKA, I.; MALACHOWSKA, I.; KONOPNICKA-LACZYNSKA, B.

Investigations on the role of alpha strain of *Escherichia coli* in etiology of diarrhea in newborn infants. *Pediat. polska* 30 no.10:933-936 Oct. '55.

1. Z Oddziału Wczesniaków Kliniki Niemowlęcej Instytutu Matki i Dziecka w Warszawie. Dyrektor Instytutu: prof. dr med. Fr. Groer. Kierownik kliniki: doc. dr med. I. Bielicka i z Państwowego Zakładu Higieny w Warszawie. Dyrektor: prof. dr med. F. Przesmycki Warszawa, Kasprzaka 17, I.M. i Dz.

(DIARRHEA, bacteriology,
E.coli in newborn)

(*ESCHERICHIA COLI*, infections,
diarrhea in newborn)

BIELICKA, Izabela

Intra-rectal administration of novocaine as an auxiliary method of the treatment of premature infants. *Pediatr.polska* 30 no.11: 1055-1069 Nov. '55.

1. Z Kliniki Niemowlecej Instytutu Matki i Dziecka w Warszawie.
Dyrektor Instytutu: prof. dr med. Fr. Groer. Kierownik Kliniki:
doc. dr med. i Bielicka. Warszawa, Al. Niepodleglosci 245 m. 18.

(PROCAINE, therapeutic use,
diarrhea in premature inf., intra-rectal admin.)

(DIARRHEA, in infant and child,
premature, ther., intra-rectal procaine)

(INFANT, NEWBORN, diseases,
diarrhea, ther., intra-rectal procaine)

EXCERPTA MEDICA Sec. 17 Vol. 3/11 Public Health Nov. 57
3431. BIELICKA I., BOGAJEWSKA M., STAMIROWSKA K. and STRAWCZYŃSKA
H. Klin. Niemowlęcej Inst. Matki i Dziecka, Warszawa. *Organizacja pracy
i osiągnięcia Poradni dla Wcześnieńców. The organization of work
and achievements of the consulting unit for the premature
infant PEDIAT. POL. 1956, 31/5 (567-575) Tables 7
A statistical analysis concerning the illness and death rates of several hundreds of

3931

premature infants registered in the consulting unit for premature infants of the institute for mother and child in Warsaw in the years 1953 and 1954 shows the usefulness and need for existence of these units. Their organization and task differ from other consulting units for children.

Cegliński - Poznan

BIELICKA, Izabela; KONOPNICKA-LACZYNSKA, Barbara; KRUKOWA, Anna

Clinical observations of previable infants. *Pediat. polska* 32 no.7:
283-296 July 57.

1. Z Oddziału Wczesniaków Instytutu Matki i Dziecka w Warszawie
Dyrektor Instytutu: prof. dr. med. Fr Groer. Kierownik Oddziału: doc.
dr med. I Bielicka. Adres: Warszawa, ul. Kasprzaka 17, Instytut Matk
Dziecka.

(INFANT, PREMATURE
previable, physiopathol. (Pol))

BIELICKA, Izabela; KOCHANOWSKA-SIKORSKA, Janina

Morbidity & mortality of premature infants. *Pediat. polska* 32 no.7:
821-830 July 58.

1. Z Oddziału Wczesniaków Instytutu Matki i Dziecka w Warszawie
Dyrektor Instytutu: prof. dr med. Fr. Groer Kierownik Oddziału: doc.
dr med. I. Bielicka. Adres: Warszawa, ul. Nowogrodzka 75, Oddz. Wczes-
niaków I. M. 12a.

(INFANT MORTALITY

premature inf. in Poland (Pol))

(INFANT, PREMATURE, statist.

morbidity in Poland (Pol))

BIELICKA, Izabela

On certain anatomical and physiological characteristics of fetal
and newborn adrenals. Pediat pol 36 no.2:193-201 F '61.

(ADRENAL GLAND embryo)

BIELICKA, Izabela; KIBALENKO, Tõrosa

Birth injuries of the adrenals in premature newborn infants.
Pediat. pol. 36 no.5:481-493 '61.

1. Z Zakladu Wczesniakow przy Katedrze Propedeutyki Pediatrii AM
w Warszawie Kierownik Zakladu: doc. dr med. I. Bielicka.
(BIRTH INJURY) (INFANT PREMATURE dis)
(ADRENAL GLAND wds & inj)

BIELICKA, Izabela; KARWOWSKA, Hanna; BOGAJEWSKA, Maria

10-year experience with a clinic for premature infants. Pediat. pol.
37 no.9:927-934 S '62.

1. Z Poradni dla Wczesniaków przy Zakładzie Wczesniaków Katedry
Propedeutyki Pediatrii AM w Warszawie Kierownik Zakładu: doc.
dr med. I. Bielińska.

(INFANT PREMATURE)

BIELICKA, Izabela

Apropos of the development of a small child. Wiad. lek. 18 no.2:
97-104 15 Ja '65

BIELICKA, I.

Theoretical principles of "family psychotherapy" of children with developmental defects. *Cesk. pediat.* 20 no.10:906-908 O '65.

1. Oddeleni vyvojove patologie ustavu pro nedonosence, Katedra pediatricke propedeutiky Lekarske akademie ve Varsave (vedouci lekar ustavu doc. dr. I. Bielicka).

BIRLICKA, J.; RYGLINSKA, E.

Application of Polish product k₂rotan in nutrition of newborn prematures.
Pediat. polska 28 no.4:439-442 Apr 1953. (CML 25:1)

1. Of the Department of Premature Births (Head--Docent I. Bielicka, M.D.)
of the Institute of Mother and Child Welfare (Director--Prof. F. Groer,
M.D.), Warsaw.

BIELICKI, B.; GIELZYNSKI, A.; KUTRZEBSKI, A.

Remote evaluation of results in rehabilitation of paraplegic patients.
Chir. nars. ruchu ortop. polska 27 no.2:169-178 '62.

1. Ze Szpitala Chirurgii Kostnej w Konstancinie Kierownik: doc. dr
M. Weiss.

(PARAPLEGIA rehabil)

BIELICKI, Boleslaw

Economic evaluation of the results of accidents. Chir. narzad.
ruchu ortop. pol. 28 no.4:361-364 '63.

1. Ze Szpitala Chirurgii Kostnej w Konstancinie Kierownik:
doc. dr M. Weiss.

(ACCIDENTS) (HANDICAPPED) (ECONOMICS)
(PENSIONS)

WEISS, M.; BIELICKI, B.; GIELZYNSKI, A.

Reconstructive interventions in rheumatoid deformities. Chir.
narząd. ruchu ortop. Pol. 28 no.7:693-704 '63

1. Z Katedry i Kliniki Rehabilitacji Akademii Medycznej w
Warszawie, Konstancin (Kierownik: doc. dr. Marian Weiss).

BIELICKI, Franciszek

A case of postoperative tetany treated with a transplant of parathyroid adenoma. Polski tygod. lek. 13 no.1:23-24 6 Jan 58.

1. Z Kliniki Chirurgicznej J. A. M. we Wroclawiu: kierownik Kliniki: prof dr Kazimierz Gayzowski, Wroclaw, ul. Poniatowskiego 2 i Klin. Chirurgiczna. (TETANY, case reports

postop., surg., transpl. of parathyroid adenoma from another patient, ther. value (Pol))

(PARATHYROID GLAND, neoplasms

adenoma, surg., transpl. to patient with postop. tetany, ther. value (Pol))

BIELICKI, Franciszek; DOIATA, Witold

Case of postoperative thyroid crisis treated by autonomic nerve block with hypothermia. Polski tygod. lek. 13 no.48:1933-1935 1 Dec 58.

1. (Z I Kliniki Chirurgicznej A. M. we Wroclawiu; kierownik: prof. dr Kazimierz Czyzewski). Adres: Wroclaw, ul. Poniatowskiego 2. I Klin. Chirurg. A.M.

(THYROID GLAND, surg.

postop. thyroid crisis treated by autonomic nerve block & hypothermia (Pol))

(ANESTHESIA, REGIONAL, in various dis.

autonomic nerve block with hypothermia in postop. thyroid crisis (Pol))

(HYPOTHERMIA, in various dis.

postop. thyroid crisis, with autonomic nerve block (Pol))

BIELICKI, Franciszek; CZYZEWSKI, Kazimierz; SKORA, Klemens

Concentration of radioactive iodine in the thyroid under the influence of some drugs blocking the autonomic nervous system. Endodr. pol. 13 no.1:73-79 '62.

1. I Klinika Chirurgiczna AM we Wroclawiu Kierownik: prof. dr K. Czyzewski.

(IODINE metab)

(THYROID GLAND metab)

(AUTONOMIC DRUGS pharmacol)

BALBIERZ, H.; BARNECKI, W.; BIELICKI, Franciszek; CZYZEWSKI, Kazimierz;
NOWOSAD, R.; SKORA, Klemens

Concentration of I-131 in the thyroid after methylthiouracil,
vitamin A and potassium bromide. Endodr. pol. 13 no.1:81-86
'62.

1. I Klinika Chirurgiczna A.M. we Wrocławiu Kierownik: prof. dr
K. Czapowski Katedra Fizjopatologii Wydz. Wet. Wyższej Szkoły Rolniczej
we Wrocławiu Kierownik: Zast. - prof. dr. W. Barnecki.
(THYROID GLAND metab) (IODINE metab)
(THIOURACIL pharmacol) (BROMIDES pharmacol) (VITAMIN A pharmacol)

BIELICKI, Franciszek; CZYZEWSKI, Kazimierz; FALKIEWICZ, Antoni; PACYNSKI, Adam

The frequency of recurrences in the treatment of Graves-Basedow disease with thiourea derivatives according to data of a Wroclaw center. Endokry. pol. 13 no.3:403-405 '62.

1. I Klinika Chirurgiczna AM we Wroclawiu Kierownik: prof. dr K. Czyzewski II Klinika Chorob'Wewnetrznych AM we Wroclawiu Kierownik: prof. dr A. Falkiewicz Wojewodska Poradnia Chorob Tarczycy we Wroclawiu Kierownik: dr A. Pacynski.
(HYPERTHYROIDISM ther) (THIOUREA rel cpds)

ZAGROBELNY, Zdzislaw; BIELICKI, Franciszek

Anesthetic use of Fluothane (halothane) in hyperthyroid goiter surgery. Polski prsegl. chir. 35 no.6:555-561 '63.

1. Z I Kliniki Chirurgicznej AM we Wroclawiu Kierownik: prof. dr K. Gayzewski.

(HALOTHANE) (THYROIDECTOMY)
(HYPERTHYROIDISM) (ANESTHESIA, INHALATION)

CZYZEWSKI, Kazimierz; BIELICKI, Franciszek; OLESZKIEWICZ, Leopold.

Surgical indications in thyroid hyperfunction. Polski przeegl.
chir. 35 no.9:919-921 '63.

Complications following surgical therapy of goiter with
thyroid hyperfunction. 928-929

1. Z I Kliniki Chirurgicznej AM we Wroclawiu. Kierownik:
prof. dr. K. Czyzewski.

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CZYZEWSKI, Kazimierz; BIELICKI, Franciszek; SKORA, Klemens; ZAGROBELNY,
Edzislav.

Experimental principles for the treatment of thyroid crisi.
Polski przegl. chir. 35 no.9:935-938 '63.

1. Z I Kliniki Chirurgicznej AM we Wroclawiu. Kierownik:
prof. dr. K.Czyzewski.

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BIELICKI, Franciszek; CHRZANOWSKA, Maria; DOROBISZ, Tadeusz; SKORA, Klemens

Clinical value of I-131 tests in thyroid neoplasms. Polski
przegl. chir. 35 no.9:954-956 '63.

1. Z I Kliniki Chirurgicznej we Wroclawiu. Kierownik: prof.
dr. K.Czyzewski.

CZYZEWSKI, Kasimierz; BIELICKI, Franciszek; OLESZKIEWICZ, Leopold

Anastomosis of the common bile duct with the duodenum in the treatment of obstructive jaundice. Pol. przegl. chir. 35 no. 7/8:770-772 '63.

1. Z I Kliniki Chirurgicznej AM we Wrocławiu Kierownik: prof. dr K. Czyżewski.

(JAUNDICE, OBSTRUCTIVE)
(SURGERY, OPERATIVE)
(COMMON BILE DUCT)
(DUODENUM)

BIELICKI, Henryk, mgr., inż.; DWIGUBSKI, Witalis, inż.

Originating causes and evaluation of the vibrations and noise in roller bearings. Przegl mech 20 no.22:680-683 '61.

1. Centralne Biuro Konstrukcyjne Łozysk Tocznych, Warszawa.

(Roller bearings) (Vibration)

BIELICKI, Henryk, mgr., ins.

The influence of transverse clearance in roller bearings on the rotating shaft vibrations. Przegł mech 21 no.7:201-203 Ap '62.

1. Centralne Biuro Konstrukcyjne Łozysk Tocznych, Warszawa.

BIELICKI, Henryk, mgr inż.

Testing surface defects of balls in the ball bearings production industry and its automation. Przegl mechu 21 no.21:658-663 N '62.

1. Centralne Biuro Konstrukcji Łożyk Tocznych, Warszawa.

BIELICKI, Henryk, mgr inż.

Optimum angular field of the V-block for measurement of roundness faults. Przegl mech 23 no.20:593-594 25 0 '64

1. Central Office of Roller Bearings, Warsaw.

MELICKI, M.

On a certain numerical method of determining the variance of a function. In English.
p. 131.

ACTA ASTRONOMICA. (Polska Akademia Nauk. Komitet Astronomii)
Warszawa. Vol. 8, no. 3, 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 6, June 1959
Uncl.

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P/010/60/008/002/001/002
D231/D301

AUTHOR: Bielicki, Maciej

TITLE: Certain aspects of rocket paths in lunar flights

PERIODICAL: Postępy astronomii, v. 8, no. 2, 1960, 73-100

TEXT: This is a discussion, based largely on the work of B.A. Yegorov (Ref. 1: O nekotorykh zadachakh dinamiki poleta k lune /On Certain Problems of the Dynamics of Lunar Flight/, Uspekhy fizicheskikh nauk, v. 63, no. 1a, Akademiya Nauk SSSR, Moscow, 1957) of the paths possible for a rocket starting to move from a point r_1 in space, with a given set of parameters (position, direction, velocity and the instant of start of unpowered flight). It is assumed that no course corrections are made. General considerations are first presented, discussing the differences between powered and unpowered flight and stressing the importance

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Certain aspects of rocket paths ...

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D231/D301

of celestial mechanics in understanding the latter. At the end of powered flight (r_1), the further course of the rocket depends solely on the parameters prevailing at that instant $\{E_1\}$. Similarly, the course of powered flight depends on the starting parameters $\{E_s\}$. The expression connecting the two groups of parameters [Abstractor's note: This is not given] is very complex and shows extreme difficulty in establishing the required $\{E_1\}$ at take-off. Lack of precision in $\{E_s\}$ is, therefore, the cause of many uncertainties in lunar paths and may lead to failure. Lunar flights are defined as flights from point r_1 to the sphere of influence of the moon. To simplify the problem (gravitational interaction of n bodies), approximate methods of calculating the possible paths were used, except in cases of special interest, treating the Earth-Moon-rocket interaction as a limited 3-body problem. The author states that for lunar flights, the velocity v_1 at r_1 (200 km above the Earth) must equal 10,849 m/sec; in

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Certain aspects of rocket paths ...

P/010/60/008/002/001/002
D231/D301

such a case, the rocket would reach the moon after many hundreds of revolutions around the Earth in an expanding orbit. In practice, the rocket is required to reach the moon in one revolution, for which v_1 must be 10,905 m/sec, i.e. 95 m/sec less than the escape velocity at r_1 . These calculated values--neglecting perturbations by the moon-- were confirmed when reworked accurately with a computer. An account is then given of the work of B.A. Yegorov, who assumed a) negligible gravitational effects on the rocket of bodies other than the Earth and moon; b) a circular orbit of the moon around the Earth; c) Earth and moon to be point masses; d) unperturbed flight in the gravitational fields of the Earth and the moon; e) all rocket paths to lie in the plane of the moon's orbit around the Earth. These assumptions are amplified and discussed critically, the author stressing the definition of the sphere of influence of a planet. Yegorov divided the flight into a geocentric fall from r_1 to the sphere of lunar influence, flight inside, and departure from this region. Parame-

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ters for each point of transition and their relationship have been determined. [Abstractor's note: These are not given here]. Lunar flights are classified into five possible types: a) aiming at the moon; b) flight around the moon with return to Earth; c) flight to the moon and return to Earth; d) flight past the moon, using the latter to accelerate; e) passage in front of the moon with deceleration. Each of these five possibilities is discussed in detail and illustrated. Paths are described, their geometry, dynamics and required precision and it is shown that every possibility can be subdivided, depending on the velocity and direction of the rocket. With decreasing velocity, the projectile will follow courses d) or e), then b), a) and finally c). As the precision of E_1 increases, the rocket will pass the moon at a great distance (200), hit the moon with parabolic velocity (50), pass around the moon (10), approach or circumnavigate the moon closely (2), hit the moon with almost minimum velocity (1), or

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pass very closely to the moon with maximum acceleration or deceleration (0.01) [Abstractor's note: The figures in parentheses indicate permissible errors in the modulus of v_1 in m/sec.] At present, only those flights where the permissible errors ≤ 10 m/sec. are feasible. Detailed analysis [Abstractor's note: Not given] proved that no other types of lunar flights apart from the five listed above are possible. From Yegorov's work (Ref. 2: Iskusstvennyye sputniki zemli, no. 3, Akademiya Nauk SSSR, Moscow, 1959) it also appears impossible to establish a lunar satellite from a rocket on its first revolution around the Earth; however, it is not known whether such a satellite could be put into orbit from a rocket making a large number of revolutions. By considering the limited 3-body problem, it is shown that a temporary lunar satellite could be established theoretically, but that this would be impossible in practice. The possibility of establishing a satellite around the Earth-moon system is next considered, and it is shown that although such orbits are possible, their size

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and shape preclude their realization in practice--again assuming no course corrections after leaving r_1 . Extension of Yegorov's work to 3-dimensional paths (possibility e) listed above is briefly discussed. The analyses given in this paper are, consequently, the solution of a special "flat" case of the general 3-dimensional problem. Buchheim's work is mentioned (Ref. 3: Artificial Satellites of the Moon. The Rand Corporation, Santa Monica, Cal. USA, 1956), showing that a satellite can only be put into a stable orbit around the moon if a force other than the attractions of the Earth and moon acts on the carrier rocket. Lunar flights made up to the time of writing are briefly reviewed and future attempts at establishing lunar satellites and at soft moon-landings are anticipated. Finally, the author lists some popular elementary misconceptions regarding astronautics. There are 20 figures and 7 references: 4 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: R.W. Buchheim, "Artificial Satellites of the Moon",

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N.Y., 1959.

ASSOCIATION: Obserwatorium astronomiczne UW, zakład astronomii
PAN (Astronomical Observatory UW, Astronomical In-
stitute PAS)

SUBMITTED: January 17, 1960

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X

P/010/60/008/003/002/006
E032/E314

AUTHOR: Bielicki, M.

TITLE: Observations of the Positions of Artificial Earth Satellites ✓

PERIODICAL: Postępy astronomii, 1960, Vol. 8, No. 3,
pp. 163 - 167

TEXT: This is a review of published information on the observations of the positions of artificial Earth satellites. A brief summary is given of the results obtained so far. The last reference quoted was published in 1959. There are 6 references: 3 Soviet and 3 English. ✓

Card 1/1

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of Warsaw (Code number of the station: 155). Postepy
astronom 10 no.3:219-235 '62.

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Peutz' syndrome. Pol. przegl. radiol. 27 no.6:479-486 '63.

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med. E. Gorzkowski z Zakladu Radiologii PAM Kierownik: prof.
dr. med. C. Murczynski z Zakladu Anatomii Patologicznej PAM
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no.5:475-488 '61.

(Race)

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Early Pleistocene hominids from Olduvai and the problem of side branchings in the evolution of man. Kosmos biol 14 no.1:31-43 '65.

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**Problem of new pharmacy assistants. Farm.poleka 11 no.1:15-17
Jan '55.**

**(PHARMACY,
in Poland, personnel)**

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The first house in the world built entirely of plastic materials. p. 457.
(PRZEGLAD TECHNICZNY. Vol. 77, No. 11, Nov. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol.6, No. 12, Dec. 1957.
Uncl.

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POLAND/Chemical Technology - Chemical Products and Their
Application, Part 2. - Ceramics, Glass, Binders,
Concretes. - Binders, Concretes and Other Silicate
Building Materials.

H-12d

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22264

Author : Wojslaw Bielicki

Inst :

Title : Manufacture of Asbestos-Cement Wares.

Orig Pub : Przegl. techn., 1957, 78, No 15, 583-587

Abstract : The possibilities of the development of the asbestos-ce-
ment industry in Poland are discussed.

Card 1/1

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Health protection in the construction industry and the industry
of building materials. Przegl budowl i bud mieszk 34 no.7:
374-386 J1 '62.

POLAND

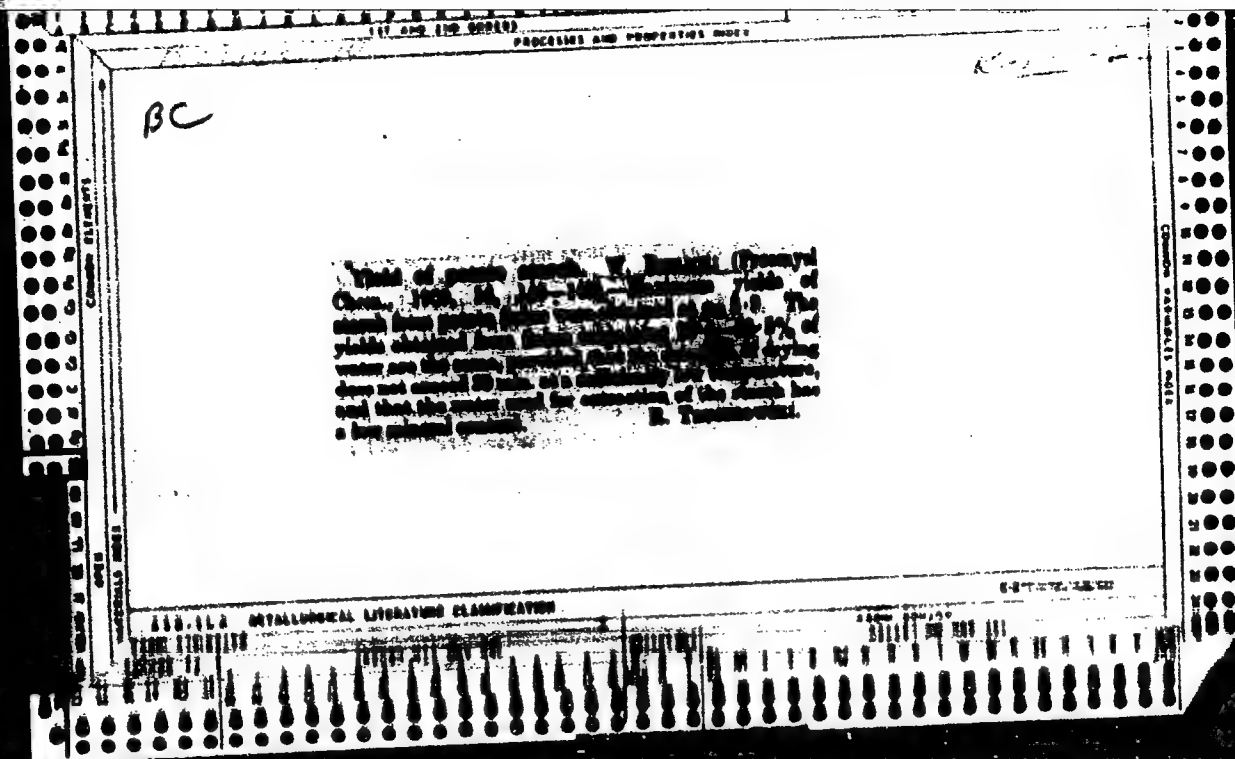
BIELIŃSKI, Wacław, Mgr [affiliation not given]

"About the Codification of Regulations Concerning Pharmacies."

Warsaw, Pharmacja Polska, Vol 19, No 4, 25 Feb 63, pp 75-77

Abstract: Author proposes unification of the regulations, instructions and norms issued on the wojewiatwo level, and the restatement and revision of the various laws and regulations (some of them conflicting, and partially or completely obsolescent) issued in connection with pharmacies in the 12 years since their nationalization in Poland. No references.

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Industrial utilization of potatoes in Poland. Starch production and allied industries. Wl. Bielicki, <i>Przemysł</i> (Chem. 3, 173-7 (1939)).-- Statistical review. R. J.																																																			
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"Sewage in the Potato-Using Industry Regarded from the Point of View of the Technology of Starch." p.357

(PRZEMYSŁ ROLNY I SPOŻYWCZY Vol. 6, no. 9, Sept. 1952 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

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Extrcting starch from potato pulp.

p. 273, Vol. 9, no. 7, July 1955. PRZEMYSŁ SPOŻYWCZY. Warszawa

So: East European Accessions List, (EEAL), LC, Vol. 5, no. 2, Feb. 1956

CH.
45
Production methods for crystalline edible glucose:
Wladyslaw Bielecki, Edmund Rydzewski, and Stanislaw
Sztanski. *Prace Inst. i Lab. Badawczych Przemyslu
Rolnego i Spolymernego* 5, No. 1, 22-32(1955).—Develop-
ment studies were conducted to work out an efficient and
economic method of manu. of cryst. glucose from potato
starch. Suspensions of potato starch of 22-3° Brix should
be used for hydrolysis. Higher concns. cause color de-
velopment in glucose and yield products which crystallize
with difficulty. When HCl or H₂SO₄ are used as catalysts
and concn. of starch is 22-3° Brix, it is recommended that
0.8% of HCl or 0.8% H₂SO₄·H₂O (percentage based on
anhyd. starch) be used. The temp. should be 142-7° at
3-3.5 atm. for 40-60 min. The final pH should be 4.7-4.8.
The neutralizer for HCl is calcinated soda and for H₂SO₄
10% NH₄OH. After mech. filtration with suspended Celite,
the juice is purified with activated carbon (contact with
carbon for 20-30 min.). Temp. of the juice is 80°. It is
advisable to maintain the pH of 4.7-4.8 during the carbon
treatment. Concn. of the juice should be carried out at
pH of 4.3-4.3. Concn. has been carried out in 3-stage
evaporators. The final concn. is 55° Brix. The concd.
juice is filtered through cotton fabric, cooled down to 60°,
and fed into the crystallizers. Centrifuging, drying, and
sieving followed this operation. Quality standards for the
final product are proposed. Adam J. Pikor

2

BIELICKI, W.

BIELICKI, W. The utilization of liquids from the production of potato starch.
p. 441. Vol. 10 no. 11, Nov. 1956.
PRZEMYSŁ SPOŻYWCZY, Warszawa Poland

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

POLAND / Chemical Technology. Chemical Products.
Carbohydrates and Their Derivatives.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68913.

Author : ~~Bielicki W.~~

Inst : Not given.

Title : Utilization of Liquid Obtained in the Processing
of Potatoes Used in the Manufacture of Starch.

Orig Pub: Przem. rolny PGR, 1957, 2, No 8, 1-4.

Abstract: Material balances for the conventional and modified schemes of starch manufacturing are presented. The latter one includes the use of liquids obtained in processing of potatoes in the manufacture of feeds. The cost of thus obtained feeds constitutes 32% of the raw material cost.

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Brno, Czechoslovakia. Przegl budowl i bud i mieszk 33 no.2:88-93
F '61.

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no.10:3-5 '62.

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Shaping and dimensional analysis of engineering structures; The 7th
Vacation Scientific Conference. Przegl budowl i bud mieszk 34 no.1;
11-12 Ja '62.

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Business enterprise "Delicatessen" and the "Kosmos" coffee house
in Rzeszow. Przegl budowl 34 no.3:142-144 Mr '62.

1. Redaktor naczelny miesiecznika "Przeglad budowlany i budownictwo
mieszakaniowe".

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Industrialized construction of apartment houses in Slovakia.
Przepl budowl i bud mieszk 35 no.1:4-15 Ja '63.

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5 1 Mr'64.

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Evolution of the technology of using plastics in building.
Przegl budowl i bud mieszk 36 no.2:97-101 F'64.

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Animated activities in local branches, fundamental for the Polish Association of Building Engineers and Technicians. Przegl budowl i bud mieszk 36 no.3:121-122 Mr '64.

BIELICKI, Wojslaw, mgr inz. (Warszawa); HOJARCZYK, Stefan, prof. inz. (Warszawa);
SAND, Wieslaw, mgr (Warszawa)

Book reviews. Przegl budowl i bud mieszk 36 no.3:173-175 Mr '64.

BIEIICKI, Wojlaw (Warszawa)

Building at the International Leipzig Spring Fair in 1963.
Przegl budowl i bud mieszk 35 no. 6: 244-253 Jo '63.

BIELICKI, Wojslaw; SAND, Wieslaw (Warsaw)

A technical, economical, and organizational experiment in building the refining works in Schwedt, German Democratic Republic. Przegl budowl i bud mieszk 36 no.11:616-627 N '64.

Blizinski, Wojciech (Warsaw)

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Agency of Technical Periodicals of the Central Technical Organization.
Przeł budowl 1 leri mieszk 36 no.12:648-649 p. 164.

BIELICKI, Wojlaw; BLASZCZYK, Stanislaw (Warsaw)

Industrialisation of apartment building in the U.S.S.R. and in Poland; an international scientific-technological conference. Przegl budowl i bud mieszk 27 [i.e. 37] no.3;121-124 Mr '65.

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EWI(1)/FS(v)-2/BDS/ES(a)/ES(j)/ES(c)/ES(k) AMD/AFTTC/

ASD Pb-4 A/DD

ACCESSION NR: AP3005965

P/0044/63/000/008/0059/0063

AUTHOR: Bialicki, Z. (Col., M.D.), Haduch, S. (Col. M. D.), Etmanowicz, S.
(Lt. Col., Eng) 66

TITLE: Overload centrifuge² for tests on flight personnel

SOURCE: Wojskowy przeglad lotniczy, no. 8, 1963, 59-63

TOPIC TAGS: centrifuge two-motor drive, Leonard circuit, flight personnel check

ABSTRACT: The overload centrifuge tests the effects of overweight between 1 and 30 times gravity, at normal and reduced atmospheric pressures. It also serves to test the strength of materials and apparatus subject to these stresses. The centrifuge is driven by two d.-c. motors, 440 v, 220 kw each, 600 rpm. The active radius of cabin rotation is 9 m. overload regulation may be either by hand or automatic. Recorders and amplifiers transmitting body reactions are connected by cables to an outside board. The range of centrifuge operation is represented on Figure 1 of Enclosure 1 according to the following order: start I, stabilized operation I, start II, stabilized operation II, braking I, stabilized operation III, braking II. Time of stable operation may be set between

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0 and 30 min. The shortest time for obtaining an acceleration of 22 g is 4.5 sec.; time for obtaining max acceleration is 30 sec. The increase in acceleration is in 0.3 g steps. The direction of acceleration action may be changed by changing the position of pilot's seat. In case of an accident the machine may be brought to rest in 5-6 sec. from a 22 g figure and in 9.5 sec. from a 30 g figure. Pressure in the cabin is continuous up to 20 mm Hg, at 75 m/sec velocity. Decompression up to 250 Hg may be attained in 1 sec. The cross section of the centrifuge in its building is shown on Figure 2. The building has two floors, with rooms for machinery and servicing. The two d.c. motors driving the arm are connected in Leonard circuit. The turning moments are transmitted through two sets of transmission gears. Braking may be accomplished either with motors or through pneumatic brakes. The Gleason gear has a 1:2.6 ratio. The gear ratio at shaft is 1:5.25. The arm is connected to the main shaft by means of a head with a special collar. On the head are located also the transformer and a TV set. At the end of the arm there is a bearing for cabin suspension. The vacuum installation is inside the arm. It is possible to regulate the position angle of the pilot cabin. Cross section of the cabin is shown on Figure 4 of Enclosure 4. Position of the body in the cabin may be changed, and also may be changed the direction in which the artificial

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gravity force will act, using special weights for this purpose. The cabin is hermetically sealed permitting to maintain pressure below atmospheric. The centrifuge permits to conduct a full set of tests including those simulating high altitude. Orig. art. has 4 figures

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 26Aug63

ENCL: 04

SUB CODE: CG, AS

NO REF SOV: 000

OTHER: 000

Card 3/8

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Decreasing the irritation caused by adhesive tape by using water
solution of certain organic dyes. Cas.lek.cesk. 89 no.25:720-721
23 June 50. (CJML 19:4)

1. Of the Second Dermato-Venerological Clinic of Prof. K.Hubschmann
in Prague.

BENIČKY, T.; HANZLICKOVÁ, L.

Effect of sub-shock dosage of insulin on allergic skin reactions. Cesk.
derm. 26 no.10:455-458 Dec 1951. (CJML 22:1)

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Effect of streptomycin on pleurisy following Jacobaeus' operation.
Gruzlica, Warsz. 19 no.6:774-778 Nov-Dec 51. (CML 21:5)

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derm. Klin., Karlovy Univ., Praha. *Monochloroxychinolin a dichloroxychinolin (Endiaron) v mi... lebe pyodermii ekzema a jinych dermatos. Monochloroxyquinoline and dichloroxyquinoline (endiaron) in local treatment of pyoderma, eczema and other dermatoses BRATISLAVSKE LEKARS. LISTY 1953, 33/9 (835-841) Tables 1
Endiaron (monochloroxyquinoline with dichloroxyquinoline) in 3-10% ointment was used with success in treatment of impetigo, sycosis staphylogenes, angular infection, eczema of microbial, mycotic and other origin, and strophulus. It was proved that endiaron has a wide antibacterial spectrum. Good tolerance and low sensitizing index are great advantages of the drug. Schwank - Prague

SO: Excerpta Medica
Section Xlil
Vol. 9 No. 1

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Present concept of allergy with special reference to pathogenesis of eczema according to the Pavlovian theory. Cas. lek. cesk. 92 no.19:510-519 8 May 1953. (CLML 24:5)

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